

SEQUENCE LISTING

<110> Pfizer Limited (EP (GB) only), Pfizer, Inc. (EP except GB / US / JP)

<120> Phosphodiesterase Enzymes

<130> File reference: PCS10350APME

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<170> PatentIn Ver. 2.0

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<211> 516

<212> PRT

<213> Homo sapiens

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20

25

30

Ile Glu Glu Leu Lys Lys Asn Leu Glu Tyr Thr Ala Ser Leu Leu Glu

35

40

45

Ala Val Tyr Ile Asp Glu Thr Arg Gln Ile Leu Asp Thr Glu Asp Glu

50

55

60

Leu Gln Glu Ile Arg Ser Asp Ala Val Pro Ser Glu Val Arg Asp Trp

65

70

75

80

Leu Ala Ser Thr Phe Thr Gln Gln Ala Arg Ala Lys Gly Arg Arg Ala

85

90

95

Glu Glu Lys Pro Lys Phe Arg Ser Ile Val His Ala Val Gln Ala Gly

100

105

110

Ile Phe Val Glu Arg Met Phe Arg Arg Thr Tyr Thr Ser Val Gly Pro

115

120

125

Thr Tyr Ser Thr Ala Val Leu Asn Cys Leu Lys Asn Leu Asp Leu Trp

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135

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Cys Phe Asp Val Phe Ser Leu Asn Gln Ala Ala Asp Asp His Ala Leu

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150

155

160

Arg Thr Ile Val Phe Glu Leu Leu Thr Arg His Asn Leu Ile Ser Arg

165

170

175

Phe Lys Ile Pro Thr Val Phe Leu Met Ser Phe Leu Asp Ala Leu Glu

180

185

190

Thr Gly Tyr Gly Lys Tyr Lys Asn Pro Tyr His Asn Gln Ile His Ala

195

200

205

Ala Asp Val Thr Gln Thr Val His Cys Phe Leu Leu Arg Thr Gly Met

210

215

220

Val His Cys Leu Ser Glu Ile Glu Leu Leu Ala Ile Ile Phe Ala Ala

225

230

235

240

Ala Ile His Asp Tyr Glu His Thr Gly Thr Thr Asn Ser Phe His Ile

245

250

255

Gln Thr Lys Ser Glu Cys Ala Ile Val Tyr Asn Asp Arg Ser Val Leu

260

265

270

Glu Asn His His Ile Ser Ser Val Phe Arg Leu Met Gln Asp Asp Glu

275

280

285

Met Asn Ile Phe Ile Asn Leu Thr Lys Asp Glu Phe Val Glu Leu Arg

290

295

300

Ala Leu Val Ile Glu Met Val Leu Ala Thr Asp Met Ser Cys His Phe

305

310

315

320

Gln Gln Val Lys Thr Met Lys Thr Ala Leu Gln Gln Leu Glu Arg Ile

325

330

335

Asp Lys Pro Lys Ala Leu Ser Leu Leu Leu His Ala Ala Asp Ile Ser

340

345

350

His Pro Thr Lys Gln Trp Leu Val His Ser Arg Trp Thr Lys Ala Leu

355

360

365

Met Glu Glu Phe Phe Arg Gln Gly Asp Lys Glu Ala Glu Leu Gly Leu

370

375

380

Pro Phe Ser Pro Leu Cys Asp Arg Thr Ser Thr Leu Val Ala Gln Ser

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Gln Ile Gly Phe Ile Asp Phe Ile Val Glu Pro Thr Phe Ser Val Leu

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Thr Asp Val Ala Glu Lys Ser Val Gln Pro Leu Ala Asp Glu Asp Ser

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430

Lys Ser Lys Asn Gln Pro Ser Phe Gln Trp Arg Gln Pro Ser Leu Asp

435

440

445

Val Glu Val Gly Asp Pro Asn Pro Asp Val Val Ser Phe Arg Ser Thr

450

455

460

Trp Val Lys Arg Ile Gln Glu Asn Lys Gln Lys Trp Lys Glu Arg Ala

465

470

475

480

Ala Ser Gly Ile Thr Asn Gln Met Ser Ile Asp Glu Leu Ser Pro Cys

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Gly Asn Leu Asp

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